

2 Chase Drive
Sharon, MA, 02067
781-806-5568 H
781-363-3530 C
ravikapur@mac.com

Ravi Kapur

Profile:

Versatile, dynamic, senior operating and management executive with strong Science & Technology management experience and a proven track record of driving technology development and commercialization in the biotechnology industry. Execution oriented leadership skills. Effective at building high-performance teams and leading change in competitive business environments.

Experience:

November 2002 - September 2007

Artemis Health Inc (f.k.a. Living MicroSystems, Inc.), Boston, MA

Vice President, Technology & Product Development

Artemis Health is a venture backed start-up focused on providing early non-invasive diagnostic solutions for assessing fetal health. The product solution leverages BioMeMs and Microfluidics technologies from, Princeton, MIT and Harvard and will become the standard-of-care for all pregnancies.

Accomplishments:

Developed, scaled and deployed for clinical trials the world's first integrated micro-fluidic device for non-invasive measure of fetal and maternal health.

- *Assembled and lead core technical and product development teams towards commercialization of a Bio-MEMS product line for non-invasive screening of fetal health
- *Established and managed corporate operational budget
- *Built and nurtured high performance teams
- *Developed strategic and tactical roadmap for technology and product development, and established the culture and structure of execution
- *Established structure to build core expertise internally, while outsourcing capital and resource intensive development activities
- *Defined corporate, product, and technology Intellectual Property roadmap- deployed resources to innovate, protect, and navigate the corporate IP roadmap
- *Communicated the product development goals, timelines, and capital needs to investors and Board
- *Identified key non-dilutive sources of equity towards leveraging development funds from government sources

September 1998 – May 2002

Cellomics, Inc., Pittsburgh, PA

Director, CellChip™ Program and Advanced Technologies

Cellomics, Inc., is the pre-eminent company providing High Content Screening Tools to the top 15 biopharmaceutical companies. Cellomics created the field of High Content Screening and a \$1.5 billion annual global market. The company is venture and corporate backed, with Carl Zeiss as a majority shareholder.

Accomplishments:

Developed a miniaturized cell based screening platform for applications in drug discovery.

- *Assembled and led technical teams and program for development of miniaturized cell based screening systems

- *Developed the intellectual property portfolio for the core CellChip™ technology platform

- *Built and nurtured a high performance team- the team served as an exemplary organizational model for employee and team development

- *Secured and managed over \$7 million of DoD funds to leverage core cell based screening technology to meet Homeland Security needs of cell based sensing of chemical and biological agents- created a parallel revenue stream for Cellomics' products within the DoD acquisition market

May 1995 – August 1998

Naval Research Laboratory, Washington, DC

Scientist / Associate Professor / Principal Investigator

NRL is the corporate research laboratory for the Navy and Marine Corps and conducts a broad program of scientific research, technology and advanced development. NRL has served the Navy and the nation for 80 years and continues to meet the complex technological challenges of today's world.

Accomplishments:

Developed technology platforms utilizing living cells and proteins interfaced to synthetic substrates, and coupled to optical elements for use as sensors of chemical and biological warfare agents

Developed technology platforms to utilize 3 dimensional hybrid constructs of cells and materials as wound closures and in regenerative medicine

January 1992 – May 1995

Food and Drug Administration, Rockville, MD

Visiting Scientist

FDA's Center for Devices and Radiological Health is responsible for ensuring the safety and effectiveness of medical devices.

Accomplishments:

Collaborative research with Cornell University's National Nanofabrication Center, Clemson University, and the Division of Mechanics and Materials Science of the FDA, to study the effect of electrical fields on human cells and tissues

May 2002 – present
Anudeza Consulting, Stoughton, MA
President

Anudeza, is a sole proprietorship advisory business providing counsel to DoD and other government agencies on strategic and operational issues for technology assessment and commercialization.

Accomplishments:

Advisor to Defense Advanced Research Project Agency in identification and mapping of commercialization strategy for portfolio life science technologies- resulted in 2 start-up companies.

Advisor to the American Association for the Advancement of Sciences Competitive Research Program.

Education:

Ph.D. 1995, Bioengineering, Clemson University, Clemson, SC
MS. 1991, Bioengineering, Clemson University, Clemson, SC
B.E. 1989, Electrical and Electronics Engineering, Pune, India

Inventions, Publications, Presentations:

10 issued patents; 30 patent filings in various stages of issuance

32 peer reviewed publications, 2 book chapters, and 1 review paper

Over 100 presentations in pharmaceutical, biotechnology, biomaterials, and tissue engineering professional society meetings

Chaired 10 scientific and technology sessions in National and International meetings

Awards and Affiliations:

Hunter Fellowship, Clemson University, 1990
Annual Entrepreneur Award, BioMeMs Society, 2001
Inventor Awards, Cellomics Inc., 1999- 2002

Member of AAAS
Member of Society for Biomaterials
Member of New York Academy of Science

Interests:

Film & Neo Noir, family outings, tennis, and the game of chess.